GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 6, 2005, 04:14:19 ; Search time 220 Seconds
(without alignments)
7720.251 Million cell updates/sec

Title: US-10-664-358-36
Perfect score: 1038
Sequence: 1 gnaattcggcacgagttaat.....aaaaaaaaaaaaaaactcga 1038

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	1011.6	97.5	168104	4	US-09-949-016-12026	Sequence 12026, A
	2	1011.6	97.5	168105	4	US-09-949-016-16554	Sequence 16554, A
c	3	598.6	57.7	601	4	US-09-949-016-170431	Sequence 170431,
	4	200	19.3	51620	4	US-09-949-016-12848	Sequence 12848, A
	5	200	19.3	51621	4	US-09-949-016-16503	Sequence 16503, A
c	6	200	19.3	75799	4	US-09-949-016-15231	Sequence 15231, A
c	7	198.8	19.2	14345	4	US-09-949-016-15449	Sequence 15449, A
	8	198.8	19.2	39243	4	US-09-949-016-12316	Sequence 12316, A
	9	198.8	19.2	39243	4	US-09-949-016-15443	Sequence 15443, A
	10	198.4	19.1	601	4	US-09-949-016-131748	Sequence 131748,
	11	198.2	19.1	88490	4	US-09-949-016-12758	Sequence 12758, A
	12	198.2	19.1	88736	4	US-09-949-016-14222	Sequence 14222, A
c	13	196.8	19.0	601	4	US-09-949-016-45906	Sequence 45906, A
	14	196.8	19.0	20441	4	US-09-949-016-13052	Sequence 13052, A
c	15	196.4	18.9	601	4	US-09-949-016-45905	Sequence 45905, A
c	16	196.4	18.9	89689	4	US-09-949-016-13089	Sequence 13089, A
c	17	196.2	18.9	601	4	US-09-949-016-121170	Sequence 121170,
	18	196.2	18.9	601	4	US-09-949-016-127095	Sequence 127095,
c	19	196.2	18.9	601	4	US-09-949-016-140199	Sequence 140199,
c	20	196.2	18.9	71119	4	US-09-949-016-15358	Sequence 15358, A
	21	196	18.9	73853	4	US-09-949-016-12029	Sequence 12029, A
	22	195.8	18.9	601	4	US-09-949-016-127094	Sequence 127094,
c	23	195.6	18.8	90618	4	US-09-949-016-15964	Sequence 15964, A
	24	195.4	18.8	17132	4	US-09-949-016-15361	Sequence 15361, A
	25	195.4	18.8	24150	4	US-09-949-016-12438	Sequence 12438, A
c	26	195.2	18.8	45427	4	US-09-949-016-16243	Sequence 16243, A
	27	195	18.8	601	4	US-09-949-016-56268	Sequence 56268, A
c	28	195	18.8	18200	4	US-09-949-016-15660	Sequence 15660, A
c	29	195	18.8	18200	4	US-09-949-016-15661	Sequence 15661, A
c	30	195	18.8	19719	4	US-09-949-016-15662	Sequence 15662, A
c	31	195	18.8	19719	4	US-09-949-016-15663	Sequence 15663, A
c	32	195	18.8	55674	4	US-09-949-016-12563	Sequence 12563, A
c	33	195	18.8	55675	4	US-09-949-016-15706	Sequence 15706, A
	34	195	18.8	74804	4	US-09-949-016-15118	Sequence 15118, A
c	35	194.6	18.7	601	4	US-09-949-016-140198	Sequence 140198,
c	36	194.6	18.7	601	4	US-09-949-016-140200	Sequence 140200,
	37	194.6	18.7	219964	4	US-09-949-016-15086	Sequence 15086, A
	38	194.4	18.7	601	4	US-09-949-016-63026	Sequence 63026, A
	39	194.4	18.7	601	4	US-09-949-016-63027	Sequence 63027, A
	40	194.4	18.7	58543	4	US-09-949-016-13565	Sequence 13565, A
c	41	194.4	18.7	373182	4	US-09-949-016-17371	Sequence 17371, A
c	42	194.4	18.7	373694	4	US-09-949-016-12062	Sequence 12062, A
c	43	194.4	18.7	678533	4	US-09-949-016-14577	Sequence 14577, A
c	44	194.4	18.7	678533	4	US-09-949-016-14578	Sequence 14578, A
	45	194	18.7	25401	4	US-09-949-016-13345	Sequence 13345, A

ALIGNMENTS

RESULT 1
US-09-949-016-12026
; Sequence 12026, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12026
; LENGTH: 168104
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(168104)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12026

Query Match 97.5%; Score 1011.6; DB 4; Length 168104;
Best Local Similarity 99.1%; Pred. No. 8.5e-237;
Matches 1011; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

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Qy         16 TTAATGTATAAAATATTTCTATAATGAATTTTAATGGGAATTAGAGCATCATAGAAAAAA 75
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      82814 TTAATGTATAAAATATTTCTATAATGAATTTTAATGGGAATTAGAGCATCATAGAAAAAA 82873

Qy         76 TGCTCTTACTGTTGAAAACATTATTTGTTACATTTTGGTCAACTAATCTTTCAATAACTT 135
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      82874 TGCTCTTACTGTTGAAAACATTATTTGTTACATTTTGGTCAACTAATCTTTCAATAACTT 82933

Qy        136 TTAGTAACTATAATGTTAAGTTGTACCAGTGGCAGTCTTATATAGTAAATGGCAGCTGAC 195
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      82934 TTAGTAACTATAATGTTAAGTTGTACCAGTGGCAGTCTTATATAGTAAATGGCAGCTGAC 82993

Qy        196 AGCATGAAAATAACATATCTAATATTTTGTGACTATCTTATTAGGAAAATCAGAGAATTT 255
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      82994 AGCATGAAAATAACATATCTAATATTTTGTGACTATCTTATTAGGAAAATCAGAGAATTT 83053

Qy        256 CAAAACCTTGTTAGTTTTTAGGGTATAGTCACATTTTATAAATGTGCGGTATATTTATAC 315
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Db      83054 CAAAACCTTGTTAGTTTTTAGGGTATAGTCACATTTTATAAATGTGCGGTATATTTATAC 83113

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Db      83114 ATGATTTGACGTTTGTGAAAATATTTTCCCTGGACTTTTATTTTAGATGAGATCTACAGT 83173

Qy        376 GTAGGCAAACTTATATAATCTGTCAACTCCATTAGTGTCATAGTCAGACTCATCCCCCATG 435

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Qy        976 ATTGCACTCCAGCCTGGGCAACACAGTGAGACTCTTGTCTCAAAAAAAAAAAAAAAAACT 1035

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RESULT 2
US-09-949-016-16554
; Sequence 16554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16554
; LENGTH: 168105
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(168105)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16554

Query Match 97.5%; Score 1011.6; DB 4; Length 168105;
Best Local Similarity 99.1%; Pred. No. 8.5e-237;
Matches 1011; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

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Db      82814 TTAATGTATAAAATATTTCTATAATGAATTTTAATGGGAATTAGAGCATCATAGAAAAAA 82873

Qy         76 TGCTCTTACTGTTGAAAACATTATTTGTTACATTTTGGTCAACTAATCTTTCAATAACTT 135

Db      82874 TGCTCTTACTGTTGAAAACATTATTTGTTACATTTTGGTCAACTAATCTTTCAATAACTT 82933

Qy        136 TTAGTAACTATAATGTTAAGTTGTACCAGTGGCAGTCTTATATAGTAAATGGCAGCTGAC 195

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Qy        196 AGCATGAAAATAACATATCTAATATTTTGTGACTATCTTATTAGGAAAATCAGAGAATTT 255

Db      82994 AGCATGAAAATAACATATCTAATATTTTGTGACTATCTTATTAGGAAAATCAGAGAATTT 83053

Qy        256 CAAAACCTTGTTAGTTTTTAGGGTATAGTCACATTTTATAAATGTGCGGTATATTTATAC 315

Db      83054 CAAAACCTTGTTAGTTTTTAGGGTATAGTCACATTTTATAAATGTGCGGTATATTTATAC 83113

Qy        316 ATGATTTGACGTTTGTGWAAATATTTTCCCTGGACTTTTATTTTAGATGAGATCTACAGT 375

Db      83114 ATGATTTGACGTTTGTGAAAATATTTTCCCTGGACTTTTATTTTAGATGAGATCTACAGT 83173

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Db      83234 CTAAAATTATAGTTGTTAAAATACGCTTTTGTAAATAGTTGTGTTAGGTCATTATCACCA 83293

Qy        496 AGTCTTCAAGGKATTACATTATAAAAACCTTGGKTTTTATTCTTGTGAATAMCCGTTTTT 555

Db      83294 AGTCTTCAAGGTATTACATTATAAAAACCTTGGTTTTTATTCTTGTGAATAACCGTTTTT 83353

Qy        556 TCCATGCAAAGTTAAAATTCTTCAGCCTTTAATTTTTTTATTAATATATAAGGATGTGAT 615

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Db      83414 GAGTATGACTACAAAACAGGAAAAAATAAACAGATTTCGTTTGTGGCTTTTGCTAAATTG 83473

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Db      83474 TTACCTGACAAAATCTTAGCCAGTTCTTCATTTTCGTTTTGAGATGAAGATACTTAGTTT 83533

Qy        736 TAGTCCAGGGGCTGGGCGCGATAGCTGATGCCTGTGGTCCCAGTGCTTTGCGGGGCCGAG 795

Db      83534 TAGTCCAGGGGCTGGGCGCGATAGCTGATGCCTGTAATCCCAGTACTTTGCGGGGCCGAG 83593

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Qy        916 ACTCAGGAGGCTAACACAGGAAAATTCCTTGAACCTGGGAGGCAGAGGTTGCAGTGAGCC 975
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 6, 2005, 06:38:25 ; Search time 121 Seconds
(without alignments)
156.622 Million cell updates/sec

Title: US-10-664-358-549
Perfect score: 260
Sequence: 1 MNLLGMIFSMCGLMLKLKWC.....ISFANSRSSEDTKQMMSSFM 49

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	260	100.0	49	3	AAY87141	Aay87141 Human sec
2	260	100.0	49	4	AAE06118	Aae06118 Human gen
3	260	100.0	49	5	ABG33940	Abg33940 Human sec
4	260	100.0	49	6	ABR47655	Abr47655 Human sec
5	260	100.0	49	6	ABR00022	Abr00022 Human gen
6	260	100.0	49	7	ADB91468	Adb91468 Human sec
7	260	100.0	49	7	ADC74024	Adc74024 Human sec
8	260	100.0	50	2	AAW67873	Aaw67873 Human sec
9	260	100.0	70	3	AAY76058	Aay76058 Human ski
10	260	100.0	70	4	AAB55997	Aab55997 Skin cell
11	260	100.0	70	4	AAE06054	Aae06054 Human gen
12	260	100.0	70	5	ABG33876	Abg33876 Human sec
13	260	100.0	70	5	ABB72197	Abb72197 Human pro
14	260	100.0	71	3	AAY87077	Aay87077 Human sec
15	260	100.0	106	2	AAY59659	Aay59659 Secreted
16	260	100.0	106	3	AAY94891	Aay94891 Human pro
17	260	100.0	106	3	AAG04034	Aag04034 Human sec
18	260	100.0	106	5	ABB89692	Abb89692 Human pol
19	260	100.0	106	7	ADM77809	Adm77809 Human pro
20	260	100.0	106	8	ADP19490	Adp19490 Human sec
21	260	100.0	106	8	ADQ95956	Adq95956 T cell ac
22	260	100.0	112	3	AAB43968	Aab43968 Human can
23	260	100.0	132	4	ABB11978	Abb11978 Human sec
24	217	83.5	108	4	ABB65197	Abb65197 Drosophil
25	158	60.8	30	2	AAW67999	Aaw67999 Fragment
26	110	42.3	99	4	AAU32155	Aau32155 Novel hum
27	97	37.3	20	2	AAW67997	Aaw67997 Fragment
28	73.5	28.3	107	3	AAG09358	Aag09358 Arabidops
29	61	23.5	308	3	AAB43188	Aab43188 Human ORF
30	61	23.5	360	7	ADB65455	Adb65455 Human pro
31	61	23.5	406	5	ADI16911	Adi16911 NOVX prot
32	61	23.5	415	5	ADI16586	Adi16586 Human NOV
33	61	23.5	415	8	ADN42240	Adn42240 Human nov
34	61	23.5	416	5	ADI16588	Adi16588 Human NOV
35	61	23.5	416	8	ADN42242	Adn42242 Human nov
36	59.5	22.9	57	3	AAG09360	Aag09360 Arabidops
37	59.5	22.9	1970	4	ABB64827	Abb64827 Drosophil
38	59	22.7	432	8	ADN18428	Adn18428 Bacterial
39	58.5	22.5	322	2	AAY30160	Aay30160 Human dor
40	58.5	22.5	733	4	ABG24605	Abg24605 Novel hum
41	58	22.3	234	4	ABG21806	Abg21806 Novel hum
42	58	22.3	391	7	ADB64644	Adb64644 Human pro
43	57.5	22.1	193	4	AAG71944	Aag71944 Human olf
44	57	21.9	358	5	ABP65847	Abp65847 Bifidobac
45	57	21.9	472	4	ABB66583	Abb66583 Drosophil

ALIGNMENTS

RESULT 1
AAY87141
ID AAY87141 standard; protein; 49 AA.
XX
AC AAY87141;
XX
DT 09-MAY-2000 (first entry)
XX
DE Human secreted protein sequence SEQ ID NO:180.
XX
KW Human; secreted protein; diagnosis; cytostatic; immunosuppressive;
KW antiinflammatory; nootropic; neuroprotective; antiallergic; cancer;
KW tumour; neurodegenerative disorder; developmental abnormality; allergy;
KW foetal deficiency; blood disorder; immune system disorder; arthritis;
KW autoimmune disease; hepatic disease; renal disease; inflammation;
KW Alzheimer's disease; behavioural disorder; schizophrenia; osteoporosis;
KW infection; AIDS; spinal cord injury; transplant rejection; diabetes;
KW asthma; sepsis; acne; psoriasis; cardiovascular disorder;
KW reproductive disorder; gastrointestinal disorder; respiratory disorder;
KW metabolic disorder; food additive; preservative.
XX
OS Homo sapiens.
XX
PN WO200004140-A1.
XX
PD 27-JAN-2000.
XX
PF 14-JUL-1999; 99WO-US015849.
XX
PR 15-JUL-1998; 98US-0092921P.
PR 15-JUL-1998; 98US-0092922P.
PR 15-JUL-1998; 98US-0092956P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Komatsoulis G, Duan RD, Rosen CA, Moore PA, Shi Y;
PI Lafleur DW, Ebner R, Olsen HS, Brewer LA, Florence KA, Young PE;
PI Mucenski M, Endress GA, Soppet DR;
XX
DR WPI; 2000-161128/14.
DR N-PSDB; AAZ98094.
XX
PT New isolated human genes, useful for diagnosis and treatment of, e.g.
PT cancers, neurological or blood disorders.
XX
PS Claim 11; Page 429; 494pp; English.
XX
CC The polynucleotide sequences given in AAZ98017 to AAZ98108 encode the

CC human secreted proteins given in AAY87064 to AAY87223. Human secreted
CC protein can have activities based on the tissues and cells the genes are
CC expressed in. Examples of activities include: cytostatic;
CC immunosuppressive; antiinflammatory; nootropic; neuroprotective; and
CC antiallergic. The polynucleotides and their corresponding secreted
CC polypeptides are useful for preventing, treating or ameliorating medical
CC conditions, e.g. by protein or gene therapy. Also pathological conditions
CC can be diagnosed by determining the amount of the new polypeptides in a
CC sample or by determining the presence of mutations in the new
CC polynucleotides. Human secreted protein s and their polynucleotides can
CC be used for developing products for the diagnosis or treatment of cancer,
CC tumours, neurodegenerative disorders, developmental abnormalities and
CC foetal deficiencies, blood disorders, diseases of the immune system,
CC autoimmune diseases, hepatic and renal disease, inflammation, allergies,
CC Alzheimer's disease, behavioural disorders, schizophrenia, osteoporosis,
CC arthritis, infections, AIDS, spinal cord injuries, transplant rejection,
CC diabetes, asthma, sepsis, acne, psoriasis, cardiovascular disorders,
CC reproductive disorders, gastrointestinal disorders, respiratory disorders
CC and metabolic disorders. The proteins or polynucleotides can also be used
CC as food additives or preservatives. The proteins are also useful for
CC identifying their binding partners. AAZ98008 to AAZ98016 and AAY87063 are
CC sequence used in the exemplification of the present invention
XX
SQ Sequence 49 AA;

Query Match 100.0%; Score 260; DB 3; Length 49;
Best Local Similarity 100.0%; Pred. No. 2.9e-30;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNLLGMIFSMCGLMLKLKWCAWVAVYCSFISFANSRSSEDTKQMMSSFM 49
||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1 MNLLGMIFSMCGLMLKLKWCAWVAVYCSFISFANSRSSEDTKQMMSSFM 49

RESULT 2
AAE06118
ID AAE06118 standard; protein; 49 AA.
XX
AC AAE06118;
XX
DT 24-SEP-2001 (first entry)
XX
DE Human gene 14 encoded secreted protein HAUAI83, SEQ ID NO:180.
XX
KW Human; secreted protein; proliferative disorder; cancer; tumour; asthma;
KW foetal abnormality; developmental abnormality; haematopoietic disorder;
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
KW Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;
KW psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder;
KW inflammation; neurological disorder; Alzheimer's disease; food additive;
KW angiogenic disorder; kidney disorder; gastrointestinal disorder; allergy;
KW pregnancy-related disorder; endocrine disorder; infection; wound healing;
KW cell culture; chemotaxis; vulnerary; binding partner identification;
KW gene therapy; chromosome 19.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1. .37
FT /label= Signal_peptide
FT Protein 38. .49
FT /label= Mature_human_secreted_protein
XX
PN WO200151504-A1.
XX
PD 19-JUL-2001.
XX
PF 12-JAN-2001; 2001WO-US000911.
XX
PR 13-JAN-2000; 2000US-00482273.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Komatsoulis GA, Duan DR, Rosen CA, Moore PA, Shi Y;
PI Lafleur DW, Olsen HS, Brewer LA, Florence KA, Young PE, Soppet DR;
PI Endress GA, Muscenski M, Ebner R;
XX
DR WPI; 2001-425865/45.
DR N-PSDB; AAD11707.
XX
PT Isolated nucleic acid molecule encoding a human secreted protein is used
PT in preventing, treating or ameliorating a medical condition.
XX
PS Claim 11; Page 796; 864pp; English.
XX
CC AAD11630-AAD11721 represent cDNAs corresponding to 71 human secreted
CC protein genes, and AAE06041-AAE06132 represent the proteins they encode.
CC AAE06133-AAE06205 represent human secreted protein fragments. The
CC secreted proteins and their genes are useful for preventing, treating or
CC ameliorating medical conditions, e.g., by protein or gene therapy.
CC Pathological conditions can be diagnosed by determining the amount of the
CC new protein in a sample or by determining the presence of mutations in
CC the new genes. Specific uses are described for each of the 71 genes,
CC based on the tissues in which they are most highly expressed, and include
CC developing products for the diagnosis or treatment of proliferative
CC disorders, cancer, tumours, foetal and developmental abnormalities,
CC haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
CC diseases (e.g., rheumatoid arthritis), inflammation, allergies,
CC neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
CC angiogenic disorders, kidney disorders, gastrointestinal disorders,
CC pregnancy-related disorders, endocrine disorders, and infections. The
CC proteins can also be used to aid wound healing and epithelial cell
CC proliferation, to prevent skin aging due to sunburn, to maintain organs
CC before transplantation, for supporting cell culture of primary tissues,
CC to regenerate tissues, to identify their cognate ligands or binding
CC partners, and in chemotaxis, and can be used as a food additive or
CC preservative to modify storage properties. Antibodies specific for a
CC protein of the invention can be used in alleviating symptoms associated
CC with the disorders mentioned above, and in diagnostic immunoassays e.g.,
CC radioimmunoassay or enzyme linked immunosorbent assay (ELISA). The
CC present sequence represents a human secreted protein of the invention
XX
SQ Sequence 49 AA;

Query Match 100.0%; Score 260; DB 4; Length 49;
Best Local Similarity 100.0%; Pred. No. 2.9e-30;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNLLGMIFSMCGLMLKLKWCAWVAVYCSFISFANSRSSEDTKQMMSSFM 49
||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1 MNLLGMIFSMCGLMLKLKWCAWVAVYCSFISFANSRSSEDTKQMMSSFM 49

RESULT 3
ABG33940
ID ABG33940 standard; protein; 49 AA.
XX
AC ABG33940;
XX
DT 15-JUL-2002 (first entry)
XX
DE Human secreted protein encoded by gene 14 #2.
XX
KW Human; secreted protein; gene therapy; immunosuppressive; antiarthritic;
KW antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic;
KW cerebroprotective; nootropic; neuroprotective; antibacterial; virucide;
KW fungicide; opthalmalogical; autoimmune disease; neoplasm;
KW rheumatoid arthritis; hyperproliferative disorder; cardiac arrest;
KW cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia;
KW angiogenesis; nervous system disorder; Alzheimer's disease; infection;
KW ocular disorder; corneal infection; wound healing; skin aging;
KW epithelial cell proliferation; food additive.
XX
OS Homo sapiens.